

Title (en)

Casette pigtail machine for a coil spring

Title (de)

Vorrichtung in Kassettenbauweise zum Eindrehen von Spiralfedern

Title (fr)

Dispositif de construction de cassettes pour la fabrication des queues de cochon sur les extrémités d'un ressort hélicoidal

Publication

**EP 1510270 B1 20061102 (EN)**

Application

**EP 04254789 A 20040809**

Priority

US 65112703 A 20030828

Abstract (en)

[origin: EP1510270A1] A pigtail machine for providing a double pigtail (a;b) to a coil spring (14) includes a second forming head (18) and a support pedestal (22) secured to a cassette base (26). The cassette base (26) is located upon a base (20) which mounts the first forming head (16) to provide for a relatively quick changeover should another double pigtail coil spring need be manufactured. By fixing the second forming head (18) and the support pedestal (22) to the cassette base (26) alignment and proper manufacture of the spring is assured. Alternatively, the first forming head (16) is also mounted to the cassette base (26). <IMAGE>

IPC 8 full level

**B21F 35/02** (2006.01); **B21F 3/10** (2006.01)

CPC (source: EP US)

**B21F 3/10** (2013.01 - EP US); **B21F 35/02** (2013.01 - EP US)

Cited by

CN113414317A; CN102909295A

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 1510270 A1 20050302**; **EP 1510270 B1 20061102**; BR PI0403594 A 20050607; DE 602004003000 D1 20061214; JP 2005118876 A 20050512; JP 2009166129 A 20090730; JP 4763256 B2 20110831; JP 4879290 B2 20120222; US 2005045241 A1 20050303; US 7198068 B2 20070403

DOCDB simple family (application)

**EP 04254789 A 20040809**; BR PI0403594 A 20040827; DE 602004003000 T 20040809; JP 2004248114 A 20040827; JP 2009045676 A 20090227; US 65112703 A 20030828